Program Plan - 2002

U.S. Department of Energy
Office of Fossil Energy

Historically Black Colleges and Universities

Hispanic-serving Institutions

Tribal Colleges and Universities

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contents

objectives

The Fossil Energy Mickey Leland Energy Fellowship (MLEF) is composed of three internship programs; namely, Historically Black Colleges and Universities (HBCU), Hispanic (HIP), and Tribal Colleges and Universities (TCU) Internship programs. The primary objective of the MLEF is to provide opportunities for enhanced educational and intern experiences for students who are pursuing degrees in either geology, environmental science, geophysics, engineering, and mathematics disciplines related to the oil, gas and coal industries. The Program offers an opportunity for students to apply their knowledge and skills by performing routine work at Federally-owned oil, gas, and coal research or operations facilities or with energy-related industry partners. In addition, this Program will assist the Department in developing a pipeline of potential candidates for accomplishing its diversity goals.

Students will serve internships at one of several potential work sites. These sites include, but are not limited to, the Strategic Petroleum Reserve sites in Louisiana and Texas; the Naval Petroleum and Oil Shale Reserve No. 3 located near Casper, Wyoming; the National Petroleum Technology Office in Tulsa, Oklahoma; the National Energy Technology Laboratory in Pittsburgh, Pennsylvania/ Morgantown, West Virginia; the Albany Research Center in Albany, Oregon; Headquarters offices in Washington, DC; as well as placement with energy stakeholders

The expected outcome of the Program will be highly skilled and qualified graduates who are well prepared to enter the work force and who, based on a positive internship experience with this Program, may choose to pursue a career with Fossil Energy, elsewhere within the Department, or with industry.

history

The Office of Fossil Energy (FE) of the DOE manages the oil, natural gas, and coal energy programs. DOE has been developing advanced technologies that make it possible to use all domestic energy resources in ways that can promote economic growth while maintaining the Nation's commitment to environmental quality. DOE's Office of Fossil Energy has an integral role in this effort by fostering advanced, more efficient, and cleaner fossil energy technologies through research, development, and demonstration (RD&D) programs and by operating the Strategic Petroleum Reserves and the Naval Petroleum and Oil Shale Reserves.

Fossil Energy oversees a national partnership program with industry, academic institutions, and State agencies to develop and demonstrate advanced fossil fuel technologies for coal, natural gas, and oil. Fossil Energy's RD&D programs are focused on the following: (1) advanced clean coal technologies to reduce pollutants associated with acid rain and global climate change, making this abundant domestic fuel more environmentally acceptable; (2) clean-burning fossil fuel through new storage, delivery, and end-use technologies; and (3) innovations in exploration and production technologies to prolong the life of known oil fields, and to reveal new oil-bearing formations.

student benefits

The Program requires a 10-week employment commitment from each student from June 3 through August 9, 2002. Students who successfully complete an assignment are encouraged to continue their participation for a subsequent year in order to build on knowledge gained and provide more experienced support to the site. Subsequent participation is dependent upon continued enrollment at an accredited institution.

This program allows students to apply classroom theory to "real world" work experiences in the energy market while earning a stipend during the assignment. Experience gained through participation in this program is expected to enhance student's career potential upon graduation.

The number of students participating in the program and stipend amounts will be based upon funds available in any given year. Stipends to be paid during FY 2002 will be $500 per week for second, third, and fourth year students, and $650 per week for first year graduate students. Travel costs for one round-trip to and from the site, and costs for a trip to Washington, D.C. for technical presentations, will be included in the fellowship award.

criteria

The target group of this program is students currently enrolled at an HBCU, Hispanic-serving institutions, or Tribal Colleges and Universities who are entering their third or fourth years, or graduates in the first year of a Masters Degree program. In order to participate in the program, the students must be citizens of the United States and must maintain a minimum grade point average of 2.8. Our participation goal for 2002 is 45-50 students.

positions available

The Mickey Leland Energy Fellowship Program targets positions that are integral to the advancement of the petroleum and coal industries: math, science, and engineering; including geology. We expect to place between 45-50 students, depending upon the availability of funds and the project needs identified by the Fossil Energy and industry sites.

selection process

Interested candidates will be required to submit: (1) a completed application form; (2) a current copy of the applicant's transcript; and (3) two letters of recommendation from the Dean, Department Chair, faculty, or others who can discuss the capabilities, achievements, and other qualifications of the applicant. Personal qualities deemed essential to the success of this program are commitment, responsibility, maturity, integrity, ambition, self-confidence, and independence.

Applications must be received by no later than January 31, 2002. Students may apply online by visiting our website at *www.fe.doe.gov/education/intern/mei/htmfiles/meihome.htm*. Letters of reference should be mailed to: U.S. Department of Energy, Attn: Dorothy Fowlkes, Office of Fossil Energy (FE-6); 1000 Independence Ave., SW.; Rm. 3H-087; Washington, DC 20585.